t. it is a molecular orbital 2. 3 hybrid orbitals 3. The geometry of the molecule will be trigonal bypyramidal 4. IT bonds concentrate election density off the internuctor's cixic 5. a, a bond / 18 = 95% b. o boud 6. Asi. 32 elections F; Gelections C; Gelections Sn: So elections As and Su con i have the hybridizations stated in the question

7. there are 2 to bonds in a triple bond 10, 2 Tr

- 8. The colors of visible light will be; red, orange, green, blue, indiga, and violet. All of the colors of light will appear except of yellow
- of, a. The carbon atom in benzenc will have an sp2 hybridization b. There are 17 6 bonds

C. There are 3 Th bonds

